



20 JUN 2001
JC17 Rec'd PCT/PTO

FORM PTO 1390
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO.
PCT/JP00/07342

INTERNATIONAL FILING DATES
20 October 2000

ATTORNEY'S DOCKET NUMBER
27430.102

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

097868576

PRIORITY DATE CLAIMED
20 October 1999

TITLE OF INVENTION

GENE DETECTING CHIP, DETECTION APPARATUS AND DETECTION METHOD

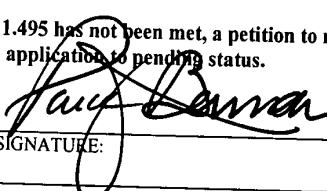
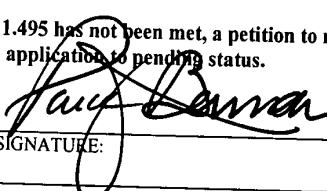
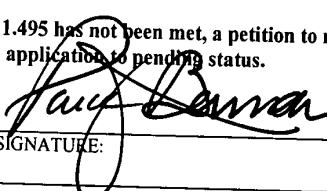
APPLICANT(S) FOR DO/EO/US Shigeori TAKENAKA et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to promptly begin national examination procedures (35 U.S.C. 371).
4. ☐ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (f)).
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
7. ☒ Amendments to the claims of the International Application as filed (35 U.S.C. 371 (c)(3)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 16 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 & 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ Other items or information:

U.S. APPLICATION NO. (if known, see 37 CFR 1.49) 099/868576		INTERNATIONAL APPLICATION NO. PCT/JP00/07342		ATTORNEY'S DOCKET NUMBER 27430.102																																																																															
17. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY																																																																															
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00 <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00																																																																																			
ENTER APPROPRIATE BASIC FEE AMOUNT =																																																																																			
Surcharge of \$ <u>130.00</u> for furnishing the oath or declaration later than <input checked="" type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>32 -20 =</td> <td>12</td> <td>x 18.00</td> </tr> <tr> <td>Independent claims</td> <td>2 -3 =</td> <td>0</td> <td>x 80.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td>x 270.00</td> </tr> <tr> <td colspan="3">TOTAL OF ABOVE CALCULATIONS =</td> <td></td> </tr> <tr> <td colspan="3"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. </td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL =</td> <td></td> </tr> <tr> <td colspan="3"> Processing fee of \$ <u>130.00</u> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). </td> <td>+</td> </tr> <tr> <td colspan="3">TOTAL NATIONAL FEE =</td> <td></td> </tr> <tr> <td colspan="3"> Fee for recording the enclosed assignment (37 CFR 1.21 (h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31) (per property). </td> <td>+</td> </tr> <tr> <td colspan="3">TOTAL FEES ENCLOSED =</td> <td></td> </tr> <tr> <td colspan="3"></td> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Amount to be Refunded:</td> <td style="width: 20%;">\$</td> </tr> <tr> <td>Charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="5"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="5"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0740</u> in the amount of \$ <u>1,206.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="5"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to my Deposit Account No. <u>50-0740</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="5"> NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. </td> </tr> <tr> <td colspan="5"> SEND ALL CORRESPONDENCE TO: </td> </tr> <tr> <td colspan="3"> Paul J. BERMAN Covington & Burling 1201 Pennsylvania Avenue, NW Washington, D.C. 20004 ATTN: Patent Docketing </td> <td colspan="2"> SIGNATURE:  NAME: Paul J. BERMAN REGISTRATION NUMBER: <u>36,744</u> </td> </tr> </tbody></table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	32 -20 =	12	x 18.00	Independent claims	2 -3 =	0	x 80.00	MULTIPLE DEPENDENT CLAIM(s) (if applicable)			x 270.00	TOTAL OF ABOVE CALCULATIONS =				<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				SUBTOTAL =				Processing fee of \$ <u>130.00</u> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).			+	TOTAL NATIONAL FEE =				Fee for recording the enclosed assignment (37 CFR 1.21 (h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31) (per property).			+	TOTAL FEES ENCLOSED =							<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Amount to be Refunded:</td> <td style="width: 20%;">\$</td> </tr> <tr> <td>Charged:</td> <td>\$</td> </tr> </table>	Amount to be Refunded:	\$	Charged:	\$	a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0740</u> in the amount of \$ <u>1,206.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to my Deposit Account No. <u>50-0740</u> . A duplicate copy of this sheet is enclosed.					NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.					SEND ALL CORRESPONDENCE TO:					Paul J. BERMAN Covington & Burling 1201 Pennsylvania Avenue, NW Washington, D.C. 20004 ATTN: Patent Docketing			SIGNATURE:  NAME: Paul J. BERMAN REGISTRATION NUMBER: <u>36,744</u>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																
Total claims	32 -20 =	12	x 18.00																																																																																
Independent claims	2 -3 =	0	x 80.00																																																																																
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			x 270.00																																																																																
TOTAL OF ABOVE CALCULATIONS =																																																																																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																																																																																			
SUBTOTAL =																																																																																			
Processing fee of \$ <u>130.00</u> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).			+																																																																																
TOTAL NATIONAL FEE =																																																																																			
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31) (per property).			+																																																																																
TOTAL FEES ENCLOSED =																																																																																			
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Amount to be Refunded:</td> <td style="width: 20%;">\$</td> </tr> <tr> <td>Charged:</td> <td>\$</td> </tr> </table>	Amount to be Refunded:	\$	Charged:	\$																																																																												
Amount to be Refunded:	\$																																																																																		
Charged:	\$																																																																																		
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.																																																																																			
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0740</u> in the amount of \$ <u>1,206.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.																																																																																			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to my Deposit Account No. <u>50-0740</u> . A duplicate copy of this sheet is enclosed.																																																																																			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.																																																																																			
SEND ALL CORRESPONDENCE TO:																																																																																			
Paul J. BERMAN Covington & Burling 1201 Pennsylvania Avenue, NW Washington, D.C. 20004 ATTN: Patent Docketing			SIGNATURE:  NAME: Paul J. BERMAN REGISTRATION NUMBER: <u>36,744</u>																																																																																

099868576-030302

JC17 Rec 09/868576
T/PTO 20 JUN 2001

The PTO did not receive the following
listed item(s)

No Postcard

09868576-030802